

ENGINEERING CHANGE NOTICE DART AEROSPACE LTD

Date:	24-Jun-19	Job No.:	OV19-19	ADR Yes/No:	N	ADR Date:	N/A	ECN#:	19- 779
Product No.:	OP-SLP Long Line Manual			Created By:	ML	Approved By:	<i>Mlee</i>		
Product Name:	P-XXXX Long Line			Checked By:	<i>m2</i>				

Reason for Change:
Claiify section 3.0 to remove reference to "recertification"

Documents Released:
Release OP-SLP Rev. 10 manual

IF APPLICABLE: NCR: _____ PAR: _____ CAR: _____ CIR: _____ URF: _____

PAPERWORK UPDATE

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PARTS MUST COMPLY

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PREVIOUS PARTS SATISFACTORY

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#	Quality Assurance / Customer Support Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Airbus	N			
3	Notify Leonardo	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N			
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	MD		<i>19.06.25</i>
12	Update Product Specification Files (Bluefiles)	Y	MD		<i>19.06.25</i>
13	Update Approved/Preliminary Dwg PDF Files	N			
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	N			
17	Update / Verify Authorized Release Certificate Database	<i>N</i>	<i>MD</i>		
18	Create / Update Change Record Form / Item Card Database	N			
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	N			
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

Please release OP-SLP Rev. 10 and place Rev. 9 in the obsolete folder

Please ensure all old P-XXXX long lines in stock are updated to include the new Rev. 10 manual.

add A/R when shipping 19.06.25

















ECN Verified & Complete: _____ Date: _____



Operation Number	Operation	Container No	Job	Master Unit Number	Quantity	Weight	Serial No/Batch	Location	Container	Status	Added	Special Comments	Label	Supplier	Change No
Part Number: P107-C Revision: Co-Pilot Stick & Co-Pilot Cyclic Grip															
90	Receive Pcs	S088274			1 pcs	0	125105	GA122	Bin	Stock	6/28/2018				
		S088275			1 pcs	0	121714	GA122	Bin	Stock	6/28/2018				
Operation Totals:			2		2	0									
Part Totals:			2		2	0									
Part Number: P10-WLN Revision: Nut, AC Fitting - at Apical															
90	Receive Pcs	S088276			2 pcs	0	1053413	MEZZ	Bin	Stock	6/28/2018				
Operation Totals:			1		2	0									
Part Totals:			1		2	0									
Part Number: P13200-100 Revision: Plasma® Long Line 13,200 lbs Safe Work Load (6,000 kg)															
150	QC 21 - FG	S143283	188426		1 pcs	0	S143283	GA	Box	Stock	1/9/2019				
Operation Totals:			1		1	0									
Part Totals:			1		1	0									
Part Number: P13200-100P Revision: Plasma® Long Line 13,200 lbs Safe Work Load (6,000 kg)															
100	Receive Pcs	S029347			1 pcs	0	CNAM2003-03	FG220		Stock	1/4/2018				
		S123738			1 pcs	0	CNAM2003-02	FG220		Stock	11/1/2018				
Operation Totals:			2		2	0									
Part Totals:			2		2	0									
Part Number: P13200-150P Revision: Plasma® Long Line 13,200 lbs Safe Work Load (6,000 kg)															
100	Receive Pcs	S123833			1 pcs	0	CNAM1077-01	FG220		Stock	11/1/2018				
		S123834			1 pcs	0	03-2023-03	FG220		Stock	11/1/2018				
		S123835			1 pcs	0	03-2023-04	FG220		Stock	11/1/2018				
		S123836			1 pcs	0	03-2023-01	FG220		Stock	11/1/2018				
Operation Totals:			4		4	0									
Part Totals:			4		4	0									
Part Number: P13200-200 Revision: Plasma® Long Line 13,200 lbs Safe Work Load (6,000 kg)															
100	Receive Ea	S137534			1 Ea	0	03-15897-A-01	FG220	Bin	Stock	12/15/2018				
		S137535			1 Ea	0	03-15897-a-02	FG220	Bin	Stock	12/15/2018				
Operation Totals:			2		2	0									
Part Totals:			2		2	0									
Part Number: P13200-83 Revision: Plasma® Long Line 13,200 lbs Safe Work Load (6,000 kg)															
150	QC 21 - SA	S105773			1 pcs	0	S105773	Purchasing		Hold	8/28/2018	Was unreceived and rereceived under S105782			
Operation Totals:			1		1	0									
Part Totals:															

Operation Number	Operation	Container No	Job	Master Unit Number	Quantity	Weight	Serial No/Batch	Location	Container	Status	Added	Special Comments	Label	Supplier	Change No
Part Totals:		2			15	0									
Part Number: P162-407F Revision: Cross-Tube Antenna Mount, 407 Fwd															
90	Receive Pcs	S088285			4 pcs	0	125364	GA122	Bin	Stock	6/28/2018				
Operation Totals:		1			4	0									
Part Totals:		1			4	0									
Part Number: P235-D1 Revision: Powder Coat Black Sandtex															
10	Receive Supply Items	S156440			79 Ea	0	S156440	FP		Stock	2/26/2019				
Operation Totals:		1			79	0									
Part Totals:		1			79	0									
Part Number: P3000-100 Revision: Plasma® Long Line 3,000 lbs Safe Work Load (1,350 kg)															
150	QC21-FG	S064483	172122		1 Ea	0	S064483	FG221	Bin	Stock	4/24/2018				
		S143237	181456		1 Ea	0	S143237	GA	Box	Stock	1/9/2019				
Operation Totals:		2			2	0									
Part Totals:		2			2	0									
Part Number: P3000-150 Revision: Plasma® Long Line 3,000 lbs Safe Work Load (1,350 kg)															
150	QC 21 - FG	S059416	174208		1 pcs	0	S059416	FG221	Bin	Stock	4/9/2018				
		S143275	177894		1 pcs	0	S143275	GA	Box	Stock	1/9/2019				
Operation Totals:		2			2	0									
Part Totals:		2			2	0									
Part Number: P3000-200P Revision: Plasma® Long Line 3,000 lbs Safe Work Load (1,350 kg)															
100	Receive Pcs	S123731			1 pcs	0	AC09006	FG221		Stock	11/1/2018				
		S123732			1 pcs	0	AC09002	FG221		Stock	11/1/2018				
		S123733			1 pcs	0	AC09005	FG221		Stock	11/1/2018				
		S123734			1 pcs	0	AC09003	FG221		Stock	11/1/2018				
Operation Totals:		4			4	0									
Part Totals:		4			4	0									
Part Number: P3000-50 Revision: Plasma® Long Line 3,000 lbs Safe Work Load (1,350 kg)															
150	QC 21 - FG	FM138355.80			1 pcs	0	M138355	European Warehouse		Stock	10/18/2017				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P3000P Revision: Plasma® Long Line															
100	Receive Pcs	S029550			826 pcs	0	S029550	ATL003-VC		Stock	1/4/2018				
Operation Totals:		1			826	0									
Part Totals:		1			826	0									
Part Number: P4400-100-AAZZ Revision: AR Long Line 4,400 lbs Safe Work Load (2,000 kg)															
10	Receive Ea	S173771			1 Ea	0	S173771	Packaging 2 - 13 - B4B		Stock	4/22/2019				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P4400-150 Revision: Plasma® Long Line 4,400 lbs Safe Work Load (2,000 kg)															
150	QC 21 - SA	S143249	177895		2 pcs	0	S143249	FG222	Box	Stock	1/9/2019				
Operation Totals:		1			2	0									
Part Totals:		1			2	0									
Part Number: P4400-200 Revision: OH Plasma® Long Line 4,400 lbs Safe Work Load (2,000 kg)															
220	QC 21 - FG	S186706	195961		1 pcs	0	03-15471-02	ST229B		Stock	6/3/2019	RA677			
		S186707	195963		1 pcs	0	03-15471-03	ST229B		Stock	6/3/2019	RA677			
		S186708	195965		1 pcs	0	03-15471-04	ST229B		Stock	6/3/2019	RA677			
		S186709	195966		1 pcs	0	AC09012	ST229B		Stock	6/3/2019	RA677			
		S186710	195967		1 pcs	0	AC09013	ST229B		Stock	6/3/2019	RA677			
		S186711	195968		1 pcs	0	AC09014	ST229B		Stock	6/3/2019	RA677			
Operation Totals:		6			6	0									
Part Totals:		6			6	0									
Part Number: P4400-200-JAAZZ Revision: 200' Plasma Long Line 4,400lb Safe Work Load - Custom															
150	QC 21 - SA	S062851			1 pcs	0	03-2503-01	FG222	Bin	Stock	4/19/2018				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P4400-200P Revision: Plasma® Long Line 4,400 lbs Safe Work Load (2,000 kg)															
100	Receive Pcs	S029353			1 pcs	0	03-2114-03	FG222		Stock	1/4/2018				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P4400-65 Revision: Plasma® Long Line 4,400 lb Safe Work Load (2,000 Kg)															
320	QC 21 - SA	S178453	194510		1 pcs	0	AC12001	GA-Floor	Bin	Stock	5/6/2019	RA89			

Operation Number	Operation	Container No	Job	Master Unit Number	Quantity	Weight	Serial No/Batch	Location	Container	Status	Added	Special Comments	Label	Supplier	Change No
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P4400P Revision: Plasma® Long Line															
100	Receive Pcs	S029551			2,136 pcs	0	S029551	ATL003-VC		Stock	1/4/2018				
Operation Totals:		1			2,136	0									
Part Totals:		1			2,136	0									
Part Number: P5400-100 Revision: AR Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)															
10	Receive Ea	S146846			1 Ea	0	2755-01	Conditional Release		Conditional Release	1/22/2019	RA476			
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P5400-100 Revision: OH Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)															
170	QC 5	S075102			1 pcs	0	S075102	FG221		Stock	5/28/2018				
Operation Totals:		1			1	0									
220	QC 21 - FG	S186705	195957		1 pcs	0	AC09002	ST229B		Stock	6/3/2019	RA677			
Operation Totals:		1			1	0									
Part Totals:		2			2	0									
Part Number: P5400-150 Revision: Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)															
150	QC 21 - FG	S072171	177429		1 pcs	0	S072171	FG221	Box	Stock	5/17/2018				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P5400-150 Revision: AR Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)															
10	Receive Ea	S146845			1 Ea	0	AC09007	Conditional Release		Conditional Release	1/22/2019	RA476			
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P5400-50 Revision: AR Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)															
10	Receive Ea	S146842			1 Ea	0	2756-01	Conditional Release		Conditional Release	1/22/2019	RA476			
		S146843			1 Ea	0	2756-03	Conditional Release		Conditional Release	1/22/2019	RA476			
		S146844			1 Ea	0	2756-04	Conditional Release		Conditional Release	1/22/2019	RA476			
Operation Totals:		3			3	0									
Part Totals:		3			3	0									
Part Number: P5400-50P Revision: Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)															
100	Receive Pcs	S068988			1 pcs	0	S068988	FG221	Box	Stock	5/7/2018				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P7300-150 Revision: OH Plasma® Long Line 7,300 lbs Safe Work Load (3,300 kg)															
160	Rework Startup	S075082			1 pcs	0	S075082	FG221		Stock	5/28/2018				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P7300-25P Revision: Plasma® Long Line															
100	Receive Pcs	S123785			1 pcs	0	AC11007	FG222		Stock	11/1/2018				
		S123786			1 pcs	0	AC11008	FG221		Stock	11/1/2018				
		S123787			1 pcs	0	AC11006	FG221		Stock	11/1/2018				
Operation Totals:		3			3	0									
Part Totals:		3			3	0									
Part Number: P7300-50P Revision: Plasma® Long Line 7,300 lbs Safe Work Load (3,300 kg)															
100	Receive Pcs	S029359			1 pcs	0	AC12001	FG222		Stock	1/4/2018				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: P7300P Revision: Plasma® Long Line															
100	Receive Pcs	S029552			445 pcs	0	S029552	ATL003-VC		Stock	1/4/2018				
Operation Totals:		1			445	0									
Part Totals:		1			445	0									
Part Number: P9700-100 Revision: Plasma® Long Line 9,700 lbs Safe Work Load (4,500 kg)															
150	QC 21 - SA	S143235	181455		1 pcs	0	S143235	FG222	Box	Stock	1/9/2019				
		S143253	179799		1 pcs	0	S143253	FG222	Box	Stock	1/9/2019				
Operation Totals:		2			2	0									
Part Totals:		2			2	0									
Part Number: P9700-50 Revision: Plasma® Long Line 9,700 lbs Safe Work Load (4,500 kg)															
150	QC 21 - SA	S041825	168565		1 pcs	0	S041825	FG222	Bin	Stock	2/13/2018				
Operation Totals:		1			1	0									

Operation Number	Operation	Container No	Job	Master Unit Number	Quantity	Weight	Serial No/Batch	Location	Container	Status	Added	Special Comments	Label	Supplier	Change No
Part Totals:		1			1	0									
Part Number: P9700P Revision: Plasma® Long Line															
100	Receive Pcs	S029553			158 pcs	0	S029553	ATL003-VC		Stock	1/4/2018				
Operation Totals:		1			158	0									
Part Totals:		1			158	0									
Part Number: PAD210 Revision: Foam Ø1 X 1 replace item 1887T48															
100	Receive sf	S021250			10 sf	0	S021250	CORNER		Stock	12/13/2017				
Operation Totals:		1			10	0									
Part Totals:		1			10	0									
Part Number: PAR169PF-4-4 Revision: 1/4" Tube to NPT 90° Elbow															
100	Receive Ea	S155868			4 Ea	0	S155868	GA070		Stock	2/22/2019				
Operation Totals:		1			4	0									
Part Totals:		1			4	0									
Part Number: PAR207ACBHS-4 Revision: 1/4" Bulk Head Anchor Connector (Pipe)															
100	Receive Ea	S155869			3 Ea	0	S155869	GA070		Stock	2/22/2019				
Operation Totals:		1			3	0									
Part Totals:		1			3	0									
Part Number: PAR207P-4 Revision: Light Coupling															
100	Receive Ea	S155870			2 Ea	0	S155870	GA070		Stock	2/22/2019				
Operation Totals:		1			2	0									
Part Totals:		1			2	0									
Part Number: PAR209-4-2 Revision: 1/4 NPT to 1/8 NPT Reducer Fitting															
100	Receive Ea	S084305			9 Ea	0	S084305	GA035		Stock	6/26/2018				
		S185380			11 Ea	0	S185380	GA035		Stock	5/30/2019				
Operation Totals:		2			20	0									
Part Totals:		2			20	0									
Part Number: PAR218P-4 Revision: Hex Head Plug															
100	Receive Ea	S155872			3 Ea	0	S155872	GA070		Stock	2/22/2019				
Operation Totals:		1			3	0									
Part Totals:		1			3	0									
Part Number: PAR219P-4 Revision: 1/4" Plug															
100	Receive Ea	S155887			6 Ea	0	S155887	GA070		Stock	2/22/2019				
Operation Totals:		1			6	0									
Part Totals:		1			6	0									
Part Number: PAR2203P-4 Revision: 1/4 NPT Female "T" Fitting															
100	Receive Ea	S185413			4 Ea	0	S185413	GA035		Stock	5/30/2019				
Operation Totals:		1			4	0									
Part Totals:		1			4	0									
Part Number: PAR2225-P-4 Revision: 1/4 Run Tee															
100	Receive Ea	S155873			1 Ea	0	S155873	GA070		Stock	2/22/2019				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: PAR48F-6-4 Revision: M Tube to M Pipe Connector															
100	Receive Ea	S155876			1 Ea	0	S155876	GA070		Stock	2/22/2019				
Operation Totals:		1			1	0									
Part Totals:		1			1	0									
Part Number: PAR639F-4 Revision: 1/8" Flared Male Plug															
100	Receive Ea	S155877			3 Ea	0	S155877	GA070		Stock	2/22/2019				
Operation Totals:		1			3	0									
Part Totals:		1			3	0									
Part Number: PAR63PT-4 Revision: 1/4" Compression Sleeve															
100	Receive Ea	S155878			5 Ea	0	S155878	GA070		Stock	2/22/2019				
		S189082			30 Ea	0	S189082	GA070		Stock	6/11/2019				
Operation Totals:		2			35	0									
Part Totals:		2			35	0									
Part Number: PAR66PF-4-4 Revision: 1/4" F Pipe to F Tube Connector															
100	Receive Ea	S155880			3 Ea	0	S155880	GA070		Stock	2/22/2019				
Operation Totals:		1			3	0									
Part Totals:		1			3	0									
Part Number: PAR68PC-4-0 Revision: 1/4" Push Lock to #10-32 w/Seal															
100	Receive Ea	S155881			2 Ea	0	S155881	GA070		Stock	2/22/2019		